

CIAP-Project Nominee Fact Sheet

Project Title: Lake Lery Lake Rim Reestablishment and Marsh Creation

Entity/Individual nominating the project: St. Bernard Parish, Louisiana

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Total CIAP Funds Requested: \$ 13,988,000
Requested State Fund: \$ 3,988,000
Parish Allocation: \$ 10,000,000

Infrastructure Funds Proposed: \$

Description and Location of the Project: The project is located approximately 4 miles northwest of Delacroix, Louisiana, in Lake Lery and in the marshes north and east of Lake Lery.

The project proposes to dredge an existing historical navigational waterway through Lake Lery located approximately along the St. Bernard and Plaquemines Parish line and utilize the dredge material to create marsh in the open water areas north and east of the lake. Borrow areas in Lake Lery will be utilized for dredge material to create marsh in open water areas northerly and easterly of the lake. Hurricane Katrina impacts included filling of the navigational channel and extreme scouring in the interior marsh areas north and east of the lake. Additionally, the project proposes a lake rim reestablishment by armoring the northern and eastern shoreline of Lake Lery utilizing a rock dike placed in the nearshore area thus providing protection to the interior marshes northerly and easterly of the lake.

The proposed project features are:

- Dredging the existing historical navigational waterway along the St. Bernard/Plaquemines Parish line through Lake Lery.
- Utilizing the material from dredging the waterway and additional borrow areas identified in Lake Lery to create and nourish marshes north and east of Lake Lery.
- Lake rim reestablishment by placement of a rock dike along the northern and eastern shoreline of Lake Lery.

Project Type: Conservation, restoration and protection of coastal area, including wetland.

Project Justification:

Coast 2050:

Common Coastwide Strategies

- Beneficial Use of Dredged Material from Maintenance Operations
- Dedicated Dredging for Wetland Creation
- Maintenance of Bay and Lake Shoreline Integrity
- Maintain or Restore Ridge Function
- Vegetative Plantings

Region 1:

Regional Ecosystem Strategies

- Restore/Sustain Marshes
 - #9- Dedicated delivery of sediment for marsh building
- Protect Bay/Lake Shorelines
- Maintain Critical Landforms- Protect Ridge function of Bayou Terre aux Boeuf ridge.

Region 2:

Regional Ecosystem Strategies:

- Restore/Sustain Marshes
 - #5- Manage outfalls of existing diversions
 - #6- Enrich existing diversions with sediment
- Protect Bay and Lake Shorelines
- Maintain Critical Landforms

Mapping Unit Strategies:

- Caernarvon
 - #40- Evaluate Diversion of Greater than 4,000 cfs from Caernarvon; Monitoring Existing Diversion and Evaluate to Derive Maximum Benefits

LCA

Modification of Caernarvon Diversion

- Reestablishing the historic navigational channel through Lake Lery would enhance distribution of freshwater flow from the Caernarvon Diversion.

Project Cost Share: State = 28.5 %

Parish = 71.5 %